

Amendments to the Claims:

1-23. (cancelled)

24. (new) A digital video (DV) storage system comprising:

5

an interface module receiving an incoming signal and converting the incoming signal into an incoming bit-stream;

10

a DV demuxer directly connected to the interface module for receiving the incoming bit-stream, wherein the DV demuxer is for checking the incoming bit-stream for errors to determine if the incoming bit-stream is compliant with a DV format before de-multiplexing the incoming bit-stream, and for de-multiplexing received blocks in the incoming bit-stream into at least video blocks being in video sections and audio blocks being in audio sections; and

15

a memory coupled to the DV demuxer for storing the video blocks and audio blocks;

20

wherein the incoming signal contains packets and the interface module outputs a packet start indication to indicate the beginning of each packet in the incoming bit stream; and

25

the DV demuxer compares a number of double words received in the incoming bit stream starting at the packet start indication with a first predetermined value, DV demuxer determining the incoming bit-stream to have an error when the number of double words received exceeds the first predetermined value.

25. (new) A digital video (DV) storage system comprising:

30

an interface module receiving an incoming signal and converting the incoming

signal into an incoming bit-stream;

5 a DV demuxer directly connected to the interface module for receiving the incoming bit-stream, wherein the DV demuxer is for checking the incoming bit-stream for errors to determine if the incoming bit-stream is compliant with a DV format before de-multiplexing the incoming bit-stream, and for de-multiplexing received blocks in the incoming bit-stream into at least video blocks being in video sections and audio blocks being in audio sections; and

10 a memory coupled to the DV demuxer for storing the video blocks and audio blocks;

wherein the DV demuxer compares a received block number order of the received blocks in the incoming bit-stream with a predetermined order, the DV demuxer determining the incoming bit-stream to have an error when the received block number order differs from the predetermined order.

26. (new) A digital video (DV) storage system comprising:

20 an interface module receiving an incoming signal and converting the incoming signal into an incoming bit-stream;

25 a DV demuxer directly connected to the interface module for receiving the incoming bit-stream, wherein the DV demuxer is for checking the incoming bit-stream for errors to determine if the incoming bit-stream is compliant with a DV format before de-multiplexing the incoming bit-stream, and for de-multiplexing received blocks in the incoming bit-stream into at least video blocks being in video sections and audio blocks being in audio sections; and

30 a memory coupled to the DV demuxer for storing the video blocks and audio

blocks;

wherein the DV demuxer compares a received sequence number order of the received blocks in the incoming bit-stream with a predetermined order, the DV demuxer determining the incoming bit-stream to have an error when the received sequence number order differs from the predetermined order.

27. (new) A digital video (DV) storage system comprising:

an interface module receiving an incoming signal and converting the incoming signal into an incoming bit-stream;

a DV demuxer directly connected to the interface module for receiving the incoming bit-stream, wherein the DV demuxer is for checking the incoming bit-stream for errors to determine if the incoming bit-stream is compliant with a DV format before de-multiplexing the incoming bit-stream, and for de-multiplexing received blocks in the incoming bit-stream into at least video blocks being in video sections and audio blocks being in audio sections; and

a memory coupled to the DV demuxer for storing the video blocks and audio blocks;

wherein the DV demuxer sequentially stores the video and audio blocks in respective sections of the memory; and

when the DV demuxer determines the incoming bit stream to have an error, the DV demuxer returns to the beginning of the respective sections.

28. (new) A digital video (DV) storage system comprising:

an interface module receiving an incoming signal and converting the incoming signal into an incoming bit-stream;

5 a DV demuxer directly connected to the interface module for receiving the incoming bit-stream, wherein the DV demuxer is for checking the incoming bit-stream for errors to determine if the incoming bit-stream is compliant with a DV format before de-multiplexing the incoming bit-stream, and for de-multiplexing received blocks in the incoming bit-stream into at least video blocks being in video sections and audio blocks being in audio sections; and

10 a memory coupled to the DV demuxer for storing the video blocks and audio blocks;

15 wherein the DV demuxer sequentially stores the video and audio blocks in respective sections of the memory; and

when the DV demuxer determines the incoming bit stream to have an error, the DV demuxer skips to the beginning of a next respective section of the memory.

20 29. (new) A method of storing digital video (DV) data, the method comprising:

providing an interface module for receiving an incoming signal and converting the incoming signal into an incoming bit-stream;

25 de-multiplexing received blocks in the incoming bit-stream into at least video blocks being in video sections and audio blocks being in audio sections;

30 providing a DV demuxer directly connected to the interface module, and utilizing the DV demuxer to receive the incoming bit-stream and check the incoming bit-stream for errors to determine if the incoming bit-stream is

compliant with a DV format before de-multiplexing the incoming bit-stream into the video and audio blocks; and

utilizing the DV demuxer to store the video and audio blocks in the memory;

5

wherein the incoming signal contains packets, and the interface module outputs a packet start indication to indicate the beginning of each packet in the incoming bit stream; the method further comprising:

10 utilizing the DV demuxer to compare a number of double words received in the incoming bit stream starting at the packet start indication with a first predetermined value, and determining the incoming bit-stream to have an error when the number of double words received exceeds the first predetermined value.

15

30. (new) A method of storing digital video (DV) data, the method comprising:

providing an interface module for receiving an incoming signal and converting the incoming signal into an incoming bit-stream;

20

de-multiplexing received blocks in the incoming bit-stream into at least video blocks being in video sections and audio blocks being in audio sections;

25

providing a DV demuxer directly connected to the interface module, and utilizing the DV demuxer to receive the incoming bit-stream and check the incoming bit-stream for errors to determine if the incoming bit-stream is compliant with a DV format before de-multiplexing the incoming bit-stream into the video and audio blocks;

30

utilizing the DV demuxer to store the video and audio blocks in the memory; and

utilizing the DV demuxer to compare a received block number order of the received blocks in the incoming bit-stream with a predetermined order, and determining the incoming bit-stream to have an error when the received block
5 number order differs from the predetermined order.

31. (new) A method of storing digital video (DV) data, the method comprising:

providing an interface module for receiving an incoming signal and converting
10 the incoming signal into an incoming bit-stream;

de-multiplexing received blocks in the incoming bit-stream into at least video blocks being in video sections and audio blocks being in audio sections;

15 providing a DV demuxer directly connected to the interface module, and utilizing the DV demuxer to receive the incoming bit-stream and check the incoming bit-stream for errors to determine if the incoming bit-stream is compliant with a DV format before de-multiplexing the incoming bit-stream into the video and audio blocks;

20 utilizing the DV demuxer to store the video and audio blocks in the memory; and

utilizing the DV demuxer to compare a received sequence number order of the received blocks in the incoming bit-stream with a predetermined order, and
25 determining the incoming bit-stream to have an error when the received sequence number order differs from the predetermined order.

32. (new) A method of storing digital video (DV) data, the method comprising:

30 providing an interface module for receiving an incoming signal and converting

the incoming signal into an incoming bit-stream;

de-multiplexing received blocks in the incoming bit-stream into at least video blocks being in video sections and audio blocks being in audio sections;

5

providing a DV demuxer directly connected to the interface module, and utilizing the DV demuxer to receive the incoming bit-stream and check the incoming bit-stream for errors to determine if the incoming bit-stream is compliant with a DV format before de-multiplexing the incoming bit-stream into the video and audio blocks;

10

utilizing the DV demuxer to store the video and audio blocks in the memory; and

sequentially storing the video and audio blocks in respective sections of the memory; and

15

when the DV demuxer determines the incoming bit stream to have an error, returning to the beginning of the respective sections of the memory.

20 33. (new) A method of storing digital video (DV) data, the method comprising:

providing an interface module for receiving an incoming signal and converting the incoming signal into an incoming bit-stream;

25 de-multiplexing received blocks in the incoming bit-stream into at least video blocks being in video sections and audio blocks being in audio sections;

providing a DV demuxer directly connected to the interface module, and utilizing the DV demuxer to receive the incoming bit-stream and check the incoming bit-stream for errors to determine if the incoming bit-stream is

30

compliant with a DV format before de-multiplexing the incoming bit-stream into the video and audio blocks;

utilizing the DV demuxer to store the video and audio blocks in the memory; and

5

sequentially storing the video and audio blocks in respective sections of the memory; and

10

when the DV demuxer determines the incoming bit stream to have an error, skipping to the beginning of a next respective section of the memory.